

1      **ABSTRACT**

2      An extensible kernel-mode audio (e.g., MIDI) processing architecture is  
3      implemented using multiple modules that together comprise a module graph. The  
4      module graph is implemented in kernel-mode, reducing latency and jitter when  
5      handling audio data by avoiding transfers of the audio data to user-mode  
6      applications for processing. In one embodiment, the audio processing architecture  
7      is readily extensible. A graph builder can readily change the module graph,  
8      adding new modules, removing modules, or altering connections as necessary, all  
9      while the graph is running.

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